

28mmØ PMT Drive Socket

HPMS-1N

1042-03Pa



FEATURES

- For 28mm (1-1/8in.)side-on PMT
- Socket with built-in H.V. Power Supply and voltage divider
- Compact, easy operation
- HV output controlled by external voltage control

SUMMARY/APPLICATIONS

HPMS-1N is a reliable, high performance power supply with a socket designed for 28mmØ (1-1/8in.)PMTs. Technological precision is also achieved in this compact power supply with conventional bleeder circuitry.

SPECIFICATIONS

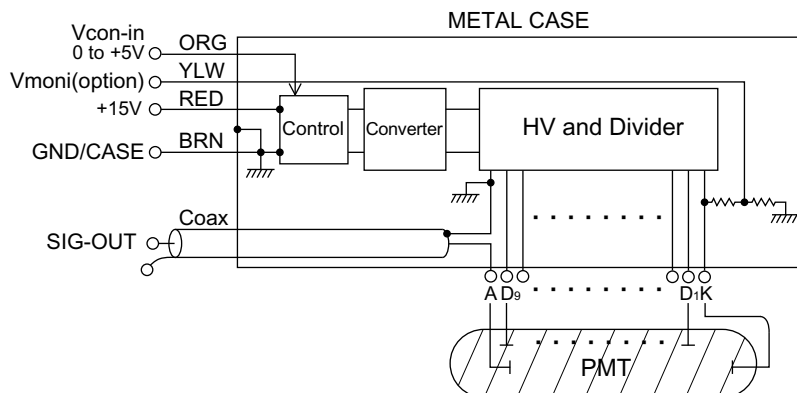
Input Voltage	+15V DC±1V
Input Current	200mA MAX
Output Voltage	0 to -1kV DC
Output Control Voltage	0 to 5V DC(Vcon-in)
Voltage Control Accuracy	±2% (at Max Output)
Anode Current	20µA AVG
Anode Ripple	less than 1mVp-p @-1000V, 20kΩ load
Output Stability	0.01%/hr
Temperature Coeff	0.01%/°C

Bleeder Chain Resistance	330kΩ × 10 stage
PMT type	Hamamatsu R928
Operation Temp.	0 to 50°C
Storage Temp.	-20 to 60°C
Input/Output terminal	Input : Flying Leads 250mm Output : Socket 1-1/8in. Signal : 50Ω Shielded Wire 250mm
Dimension	Ø35 × 53L(mm)
Weight	150g Approx.

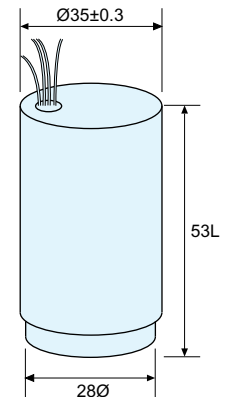
OPTION

- L2** Voltage monitor output, 0 to +1V
(output impedance 15.2kΩ type)

INTERNAL CONNECTION



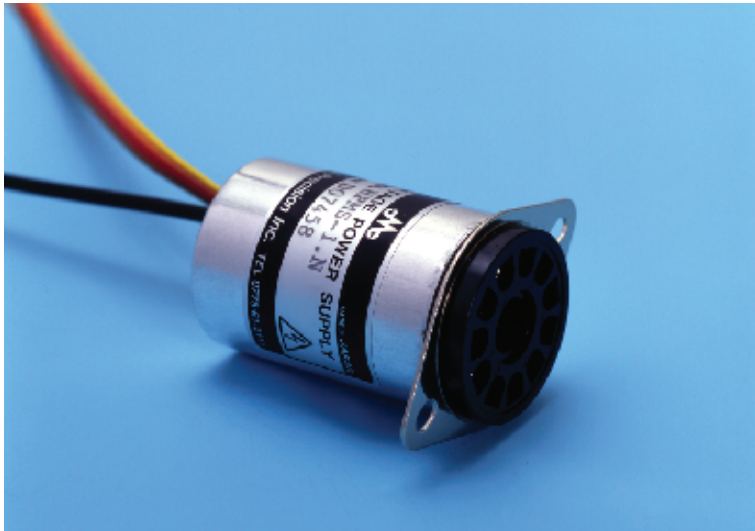
DIMENSIONS(mm)



28mmØ PMT Drive Socket

HPMS-1N-L2B

1010-03Pa



FEATURES

- For 28mm (1-1/8in.)side-on PMT
- Socket with built-in H.V. Power Supply and voltage divider
- Compact, easy operation
- HV output controlled by external voltage control
- With voltage monitor and flange

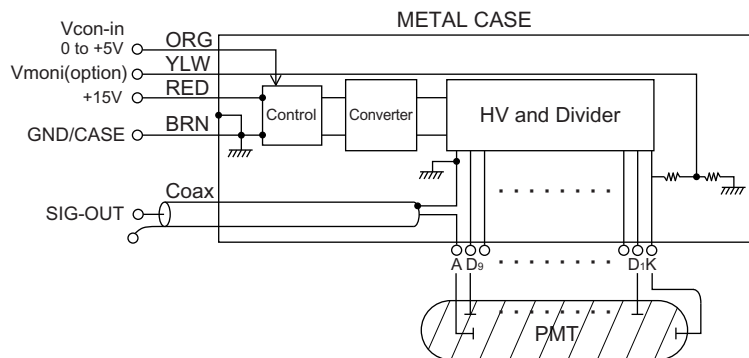
SUMMARY

HPMS-1N-L2B is a reliable, high performance power supply with a socket designed for 28mmØ(1-1/8in.)PMTs. Technological precision is also achieved in this compact power supply with conventional bleeder circuit.

SPECIFICATIONS

Input Voltage(Vin)	+15V DC \pm 1V	PMT type	Hamamatsu R928
Input Current	200mA MAX	Operation Temp.	0 to 50°C
Output Voltage	0 to -1kV DC	Storage Temp.	-20 to 60°C
Output Control Voltage	0 to 5V DC(Vcon-in)	Input/Output terminal	Input :Flying Leads 250mm
Voltage Control Accuracy	\pm 2% (at Max Output)		Output:Socket 1-1/8in.
Anode Current	20 μ A AVG		Signal :50 Ω Shielded Wire 250mm
Anode Ripple	Less than 1mVp-p @-1000V, 20k Ω load	Dimension	30 ϕ × 61L(mm)
Output Stability	0.01%/hr	Weight	150g Approx.
Temperature Coeff	0.01%/°C		
Bleeder Chain Resistance	330k Ω × 10 stage		

INTERNAL CONNECTION



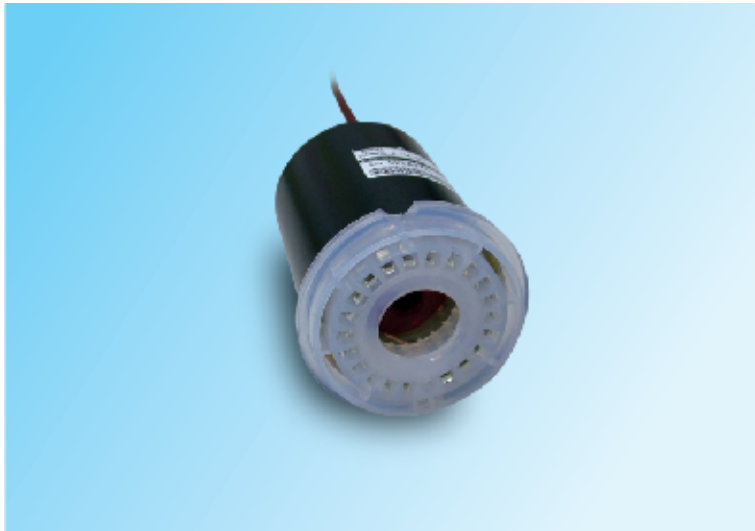
DIMENSIONS mm

 ϕ 29 × 61L

PMT Socket Supply

HPMS-2.7N

1105-02A



FEATURES

- For 51mm (2in.) Head-on PMT
- Socket with built-in H.V. Power Supply and voltage divider
- Compact, easy operation
- HV output controlled by external voltage control

SUMMARY

HPMS-2.7N is a reliable, high performance power supply with a socket designed for 51mmØ(2in.)PMTs. Technological precision is also achieved in this compact power supply with conventional bleeder circuit.

SPECIFICATIONS

Input Voltage(Vin) +24V DC $\pm 10\%$

Input Current 250mA MAX

Output Voltage 0 to -2.7kV DC

Output Control Voltage 0 to 10V DC (Vcon-in)

Voltage Control Accuracy $\pm 2\%$ (at Max Output)

Anode Current 200 μ A AVG

Cathode Ripple Less than 100mVP-P
@-2700V, 13.5M Ω load

Output Stability 0.01%/hr

Temperature Coeff 0.01%/ $^{\circ}$ C

PMT type Hamamatsu 329-02, 331-05
Burle 8575, 4501/V3
ETL 9829B, 9849B

Operation Temp. 0 to 50 $^{\circ}$ C

Storage Temp. -20 to 60 $^{\circ}$ C

Input/Output terminal Input :Flying Leads 250mm

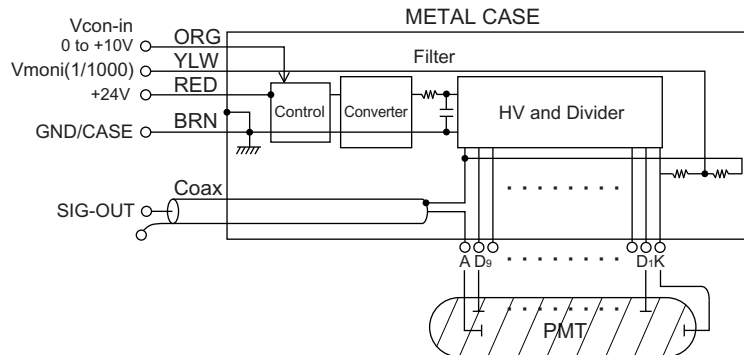
Output :Socket 2 inch

Signal :Shielded Wire 250mm

Dimension 53 \varnothing \times 76L(mm)

Weight 250g Approx.

INTERNAL CONNECTION



DIMENSIONS mm

$\varnothing 57 \times 76L$